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Frank C. Eisenschenk, Ph.D., Patent Attorney

INFORMATION DISCLOSURE STATEMENT Examining Group 1761 Patent Application Docket No. SER-111 Serial No. 10/582,027

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant** 

Maria Dorly Del Curto

Serial No.

10/582,027

Filed

June 8, 2006

Conf. No.

1354

For

Stabilized Interferon Liquid Formulations

Mail Stop Amendment Commissioner for Patents. P.O. Box 1450 Alexandria, VA 22313

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 AND 1.98

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed. However, Applicant has not submitted a copy of the U.S. patents cited on attached Form PTO/SB/08 pursuant to 37 C.F.R. 1.98(a)(2)(ii).

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

Applicant respectfully asserts that the substantive provisions of 37 C.F.R. §§ 1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,

Frank C. Eisenschenk, Ph.D.

Patent Attorney

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Attachments: Form PTO/SB/08; copies of references cited therein.

OIPE 428

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
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Substitute for fo	orm 1449A/PTO			Complete if Known		
			UDE	Application Number	10/582,027	
	ATION DISC ENT BY AP			Filing Date	June 8, 2006	
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Sheet	1	of	2	Attorney Docket Number	SER-111	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
/BH/_	U1	US-5,997,856	12-07-1999	Hora et al.	All ·	
/BH/	U2	US-6,582,728	06-24-2003	Platz et al.	All	
	U3	US-				
	U4	US-				
	U5	US-				
	U6	US-				
	U7	US-				
:	U8	US-				
	U9	US-				

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>	
/BH/	F1	WO 03/002152 A2	01-09-2003	Maxygen APS	All		
VI.	F2	WO 90/03784 A1	04-19-1990	Cetus Corporation	All		
	F3	WO 2005/117949 A1	12-15-2005	Ares Trading S.A.	All		
	F4						
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	F6						
	F7						

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Examiner	1 11	Date	00/40/0000
Signature	/Bruce Hissong/	Considered	06/18/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Cubatit	ute for form 1449B/PTO			Complete if Known		
	DRMATION DI	80	OSLIDE	Application Number	10/582,027	
				Filing Date	June 8, 2006	
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Sheet	2	of	2	Attorney Docket Number	SER-111	

		NON PATENT LITERATURE DOCUMENTS					
Examiner Initials* Cite No. 1		Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		HULTGREN, C. et al. "The Antiviral Compound Ribavirin Modulates the T Helper (Th) 1/Th2 Subset Balance in Hepatitis B and C Virus-Specific Immune Responses", <i>Journal of General Virology</i> , 1998, pp. 2381-2391, Vol. 79.					
000	R2	MARK, D. F. et al. "Site-Specific Mutagenesis of the Human Fibroblast Interferon Gene", Proc. Natl. Acad. Sci. USA, September 1984, pp. 5662-5666, Vol. 81.					
	R3	RUBINSTEIN, S. et al. "Convenient Assay for Interferons", Journal of Virology, February 1981, pp. 755-758, Vol. 37, No. 2.					
000000000000000000000000000000000000000	R4	BREWSTER, M. E. <i>et al.</i> "Use of 2-Hydroxypropyl-β-cyclodextrin as a Solubilizing and Stabilizing Excipient for Protein Drugs", <i>Pharmaceutical Research</i> , 1991, pp. 792-795, Vol. 8, No. 6.					
000000000000000000000000000000000000000	R5	ARAKAWA, T. et al. "Factors affecting short-term and long-term stabilities of proteins" Advanced Drug Delivery Reviews, 2001, pp. 307-326, Vol. 46, Nos. 1-3.					
000000000000000000000000000000000000000	R6	IRIE, T. et al. "Cyclodextrins in peptide and protein delivery" Advanced Drug Delivery Reviews, 1999, pp. 101-123, Vol. 36.					
V	R7	U.S. Application Serial No. 11/597,987 (claims only), filed November 30, 2006 (not yet published), pp. 1-4.					
	R8						
	R9						
	R10						
	R11						
	R12	·					

Examiner	(m) (3)	Date	201161222
Signature	/Bruce Hissong/	Considered	06/18/2009

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Applicant's unique citation designation number (optional).

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